

DT07 Rec'd PCT/PTO 31 JAN 2005

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S CHECK NUMBER  
17023-045US 34  
U.S. APPLICATION NUMBER 01/037,529 (37 C.F.R. 1.5)

INTERNATIONAL APPLICATION NO.  
PCT/US2003/016887

INTERNATIONAL FILING DATE  
26 May 2003

PRIORITY DATE CLAIMED  
5 August 2002

TITLE OF INVENTION  
ALLELE-SPECIFIC SILENCING OF DISEASE GENES

APPLICANT(S) FOR DO/EO/US  
Beverly L. Davidson, Victor Miller and Henry Paulson

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:


1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. § 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. § 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. § 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. § 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☒ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. § 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. § 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. § 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 C.F.R. § 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. § 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 C.F.R. § 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. § 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. § 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. § 154(d)(4).
20. ☐ Other items or information:

Repl. Ref: 05/05/2005 CSM00T 0010281100  
 30 APR 06 18:50:54 (Date/Time) 10522935  
 FC: 9204 \$6250.00 CR

**CERTIFICATE OF MAILING BY EXPRESS MAIL**  
 Express Mail Label No. EV467325305US  
 Date of Deposit: January 31, 2005

U.S. APPLICATION NO. (if known) <b>10/5229</b>		INTERNATIONAL APPLICATION NO. PCT/US2003/016887		ATTORNEY'S DOCKET NUMBER 17023-045US1									
21. The following fees are submitted:				<table border="1" style="width:100%; border-collapse: collapse;"> <tr><td style="width:50%; text-align: right;">300</td><td style="width:50%;"></td></tr> <tr><td style="text-align: right;">200</td><td></td></tr> <tr><td style="text-align: right;">500</td><td></td></tr> <tr><td style="text-align: right;">1,000</td><td></td></tr> </table>		300		200		500		1,000	
300													
200													
500													
1,000													
<input type="checkbox"/> a) Basic national fee ..... \$300													
<input type="checkbox"/> b) Examination fee ..... \$200													
<input type="checkbox"/> c) Search fee ..... \$500													
<b>TOTAL OF ABOVE CALCULATIONS =</b>													
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.													
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE										
-100 =	/50=		X \$250	\$									
Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).				\$									
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE										
Total Claims	81 - 20 =	61	x \$50	\$3,050.00									
Independent Claims	14 - 3 =	11	x \$200	\$2,200.00									
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$0.00									
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$6,250.00									
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2.				\$0.00									
<b>SUBTOTAL =</b>				\$6,250.00									
Processing fee of \$130 for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f))				+	\$0.00								
<b>TOTAL NATIONAL FEE =</b>				\$6,250.00									
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property				+	\$0.00								
<b>TOTAL FEES ENCLOSED =</b>				\$6,250.00									
				Amount to be refunded:	\$								
				Amount to be charged:	\$6,250.00								
a. <input checked="" type="checkbox"/> A check in the amount of \$6,250.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.													
<b>NOTE: Where an appropriate time limit under 37 C.F.R. 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the International Application to pending status.</b>													
SEND ALL CORRESPONDENCE TO:													
PTO Customer No: 26191			<div style="text-align: right;">             SIGNATURE         </div>										
			NAME										
			REGISTRATION NUMBER										
			Ann S. Viksnins 37.748										

DT07 Rec'd PCT/PTO 31 JAN 2005

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

17023-045US2/03054

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

10/522954

INTERNATIONAL APPLICATION NO.

PCT/US2003/16887 16887

INTERNATIONAL FILING DATE

26 May 2003

PRIORITY DATE CLAIMED

5 August 2002

TITLE OF INVENTION

ALLELE-SPECIFIC SILENCING OF DISEASE GENES

APPLICANT(S) FOR DO/EO/US

Beverly L. Davidson and Scott Harper

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20. ☐ Other items or information:

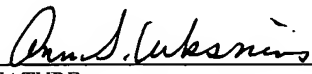
CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No.

EV467325296US

Date of Deposit:

January 31, 2005

U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5) <b>10/22/2004</b>		INTERNATIONAL APPLICATION NO. PCT/US2003/016887		ATTORNEY'S DOCKET NUMBER 17023-045US2	
21. The following fees are submitted:					
<input checked="" type="checkbox"/> a) Basic national fee ..... \$300				300	
<input checked="" type="checkbox"/> b) Examination fee ..... \$200				200	
<input checked="" type="checkbox"/> c) Search fee ..... \$500				500	
TOTAL OF ABOVE CALCULATIONS =				\$1,000	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
-100 =	/50=		X \$250	\$	
Surcharge of \$130 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	38 - 20 =	18	x \$50	\$900.00	
Independent Claims	4 - 3 =	1	x \$200	\$200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$0.00	
TOTAL OF ABOVE CALCULATIONS =				\$2,100.00	
<input type="checkbox"/> Applicant claims small entity status. See 37 C.F.R. 1.27. The fees indicated above are reduced by 1/2.				\$0.00	
SUBTOTAL =				\$2,100.00	
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TOTAL FEES ENCLOSED =				\$2,100.00	
				Amount to be refunded:	\$
				Amount to be charged:	\$2,100.00
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$2,100.00 to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of \$0.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
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PTO Customer No: 26191			 SIGNATURE		
			NAME Ann S. Viksnins		
			REGISTRATION NUMBER 37,748		